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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1637~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
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	AI4	4,859,609	08/22/1989	Dull *et al.*	436	501	04/30/1986
	AJ4	5,096,807	03/17 1992	Leaback	435	6	12/01/1989
	AK4	5,200,504	04/06 1993	Ghadiri	530	304	10/02/1990

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO3	WO 92/03542 A1	03/05 1992	WIPO			Yes No
	AP3	EP 0 512 334 B1	11/11 1992	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	49	Friguet, B., *et al.*, "Immunochemical analysis of protein conformation," in: *Protein Structure: A Practical Approach*, Creighton, T.E., ed., IRL Press at Oxford University Press, Oxford, England, pp. 287-310 (1989).
	AS	49	Grant, S.K. *et al.*, "Use of Protein Unfolding Studies to Determine the Conformational and Dimeric Stabilities of HIV-1 and SIV Proteases," *Biochemistry 31*:9491-9501, American Chemical Society (1992).
	AT	49	Hall, L.A., *et al.*, "A High-Performance System for Automation of the Polymerase Chain Reaction," *BioTechniques* 10:102-103, 106-110, Eaton Publishing Co. (1991).

EXAMINER	DATE CONSIDERED 2/25/05

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA5	5,415,839	05/16/1995	Zaun *et al.*	422	64	10/21/1993
	AB5	5,506,097	04/09/1996	Potter *et al.*	435	4	01/10/1994
	AC5	6,291,191 B1	09/18/2001	Pantoliano *et al.*	435	7.1	12/02/1999
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3	EP 0 613 007 A2	08/31/1994	Europe			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AP	50	Harrington, J.P., "Spectroscopic Analysis of the Unfolding of Transition Metal-Ion Complexes of Human Lactoferrin and Transferrin," *Int. J. Biochem.* 24:275-281, Pergamon Press (1992).
	AS	50	Higuchi, R., *et al.*, "Simultaneous Amplification and Detection of Specific DNA Sequences," *BioTechnology* 10:413-417, Nature Publishing Co. (1992).
	AT	50	Kennedy, M.W. *et al.*, "The ABA-1 Allergen of the Parasitic Nematode Ascaris suum: Fatty Acid and Retinoid Binding Function and Structural Characterization," *Biochemistry* 34:6700-6710, American Chemical Society (1995).

EXAMINER	DATE CONSIDERED
	2/25/05

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	51	Kikuchi, T., *et al.*, "Measurement of Chemiluminescence from Neutrophils in a 96-Well Microplate using Lumi Box U-800 II," *J. Biolum. Chemilum.* 12:149-153, John Wiley & Sons, Ltd. (May 1997).
	AS	51	Nilsson, B., "Proper and Improper Folding of Proteins in the Cellular Environment," *Annu. Rev. Microbiol.* 45:607-635, Annual Reviews, Inc. (1991).
	AT	51	Pan, P., "β-Site Covalent Reactions Trigger Transitions between Open and Closed Conformations of the Tryptophan Synthase Bienzyme Complex," *Biochemistry* 35:5002-5013, American Chemical Society (1996).

EXAMINER	DATE CONSIDERED 2/25/04

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FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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	AI						
	AJ						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	52	Randall, L.L., "Peptide Binding by Chaperone SecB: Implications for Recognition of Nonnative Structure," *Science* 257:241-245, American Association for the Advancement of Science (1992).
	AS	53	Rosengart, T.K., *et al.*, "Heparin Protects Heparin-Binding Growth Factor-I from Proteolytic Inactivation In Vitro," *Biochem. Biophys. Res. Commun.* 152:432-440, Academic Press, Inc. (1988).
	AT	54	Sackett, D.L. *et al.*, "Local Unfolding and the Stepwise Loss of the Functional Properties of Tubulin," *Biochemistry* 33:12678-12678, American Chemical Society (1994).

EXAMINER	DATE CONSIDERED
	2/2/05

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	53	Taniguki, N. *et al.*, "Unfolded HLA Class I α Chains and Their Use in an Assay of HLA Class-I-Peptide Binding," *Hum. Immunol.* 36:119-127, Elsevier Science (1993).
	AS	53	Volkin, D.B. and Klibanov, A.M., "Mechanism of Thermoinactivation of Immobilized Glucose Isomerase," *Biotech. Bioengin.* 33:1104-1111, John Wiley & Sons, Inc. (1989).
	AT	53	Petrella, E., "A Miniaturized Thermal Shift Assay Technology for Directly Evaluating Targets Derived from Genomics," poster presented at the Society for Biomolecular Screening Annual Meeting, Edinburgh, Scotland (September 1999).

EXAMINER	DATE CONSIDERED
	2/25/05

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1635

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	54	Molecular Probes, Inc. website search results for "dapoxyl," 11 pages (March 1998).
	AS		
	AT		

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1

Complete if Known	
Application Number	10/057,940
Filing Date	January 29, 2002
First Named Inventor	Michael W. Pantoliano
Art Unit	1639
Examiner Name	Bennett M. Celsa
Attorney Docket Number	30923-703.301

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	AA	WIPO WO97/20952 A1	06/12/1997	Pakula et al.		
	AB	EP 0 770 876 B1	04/11/2001	Pakula et al.		

Examiner Signature		Date Considered	2/25/05

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.681000	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano et al.	
	FILING DATE January 29, 2002	GROUP 1637 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	4,963,263	10/16/1990	Kauvar, L.M.	210	635	05/16/1989
	AB1	5,133,866	07/28/1992	Kauvar, L.M.	210	635	10/31/1989
	AC1	5,217,869	06 08/1993	Kauvar, L.M.	435	7.9	10/11/1988
	AD1	5,255,976	10 26 1993	Connelly, P.R.	374	31	07/10/1992
	AE1	5,260,207	11 09 1993	Pantoliano, M.W. et al.	435	221	10/19/1990
	AF1	5,300,435	04 05/1994	Kauvar, L.M.	435	7.9	12 06/1989
	AG1	5,338,659	08 16/1994	Kauvar, L.M. et al.	435	7.1	04 02/1991
	AH1	5,341,474	08 23/1994	Kauvar, L.M.	210	198.2	04/09/1993
	AI1	5,356,784	10 18/1994	Kauvar, L.M.	435	7.9	03/30/1993
	AJ1	5,409,611	04 25/1995	Kauvar, L.M.	210	635	09/02/1993
	AK1	5,463,564	10 31/1995	Agrafiotis, D.K. et al.	364	496	09/16/1994

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	WO 95/13969	07 13/1995	WIPO			Yes No
	AM1	WO 96/23879	08 08/1996	WIPO			Yes No
	AN1	WO 97/09342	03 13/1997	WIPO			Yes No
	AO1	WO 97/14038	04 17/1997	WIPO			Yes No
	AP1	EP 0 770 876 A1	05/02/1997	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Bagshaw, C.F. and D.A. Harris, "Chapter 4. Measurement of Ligand Binding to Proteins," in *Spectrophotometry & spectrofluorimetry: a practical approach*, Bashford, C.L. and D.A. Harris, eds., IRL Press, Washington, DC, pp. 91-11 (1987).
	AS	1	Barceló, F. et al , "A Scanning Calorimetric Study of Natural DNA and Anti-tumoral Anthracycline Antibiotic-DNA Complexes," *Chem.-Biol. Interactions* 74:315-334, Elsevier Scientific Publishers Ireland Ltd. (1990).
	AT	1	Bell, J.E., "Chapter 4. Fluorescence: Solution Studies," in *Spectroscopy in Biochemistry*, Volume I, J.E. Bell, ed., CRC Press, Inc., Boca Raton, FL, pp. 155-194 1981.

EXAMINER	DATE CONSIDERED 2/24/05

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.031D002	APPLICATION NO 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1635

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2	5,525,300	06/11/1996	Danssaert, J.L. *et al.*	422	99	10/20/1993
	AB2	5,567,317	10/22/1996	Kauvar, L.M.	210	635	03/09/1995
	AC2	5,585,277	12/17/1996	Bowie, J.U. *et al.*	436	518	03/21/1995
	AD2	5,587,293	12/24/1996	Kauvar, L.M. *et al.*	435	7.21	01/06/1994
	AE2	5,620,901	04/15/1997	Kauvar, L.M.	436	518	05/05/1994
	AF2	5,679,582	10/21/1997	Bowie, J.U. *et al.*	436	518	06/21/1994
	AG2	6,020,141	02/01/2000	Pantoliano *et al.*	435	7.1	05/09/1997
	AH2	6,303,322 B1	10/16/2001	Pantoliano *et al.*	435	7.1	01/05/2000
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2	WO 97/20952	06/12/1997	WIPO			Yes No
	AM2	WO 97/42500	11/13/1997	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	2	Bergdoll, M., *et al.*, "All in the family: Structural and evolutionary relationships among three modular proteins with diverse functions and variable assembly," *Protein Sci.* 7:1661-1670, Cambridge University Press (August 1998).
	AS	2	Blattner, F.R., *et al.*, "The Complete Genome Sequence of *Escherichia coli* K-12," *Science* 277:1453-1462, American Association for the Advancement of Science (September 1997).
	AT	2	Bouvier, M. and D.C. Wiley, "Importance of Peptide Amino and Carboxyl Termini to the Stability of MHC Class I Molecules," *Science* 265:398-402, American Association for the Advancement of Science (1994).

EXAMINER	DATE CONSIDERED 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1513.031USU2	APPLICATION NO. 10/057,940
APPLICANT Pantoliano et al.	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	3	Brand, L. and J.R. Gohlke, "Fluorescence Probes for Structure," *Ann. Rev. Biochem.* *41*:843-869, Annual Reviews Inc. (1972).
	AS	3	Brandts, J.F. and L.-N. Lin, "Study of Strong to Ultratight Protein Interactions Using Differential Scanning Calorimetry," *Biochemistry* *29*:6927-6940, American Chemical Society (1990).
	AT	3	Chavan, A.J. and B.E. Haley, "Interaction of Nucleotides with Acidic Fibroblast Growth Factor (FGF-1)," *Biochemistry* *33*:7193-7202, American Chemical Society (1994).

EXAMINER	DATE CONSIDERED 2/25/05

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.6310608	APPLICATION NO. 10/057,940
APPLICANT Pantoliano et al.	
FILING DATE January 29, 2002	GROUP 1637 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	4	Clegg, R.M. *et al.*, "Observing the helical geometry of double-stranded DNA in solution by fluorescence resonance energy transfer," *Proc. Natl. Acad. Sci. USA* 90:2994-2998, The National Academy of Science (1993).
	AS	4	Davidson, A.R. *et al.*, "Cooperatively folded proteins in random sequence libraries," *Nature Structural Biol.* 2:856-864, Nature Publishing Group (1995).
	AT	4	Denessiouk, K.A. *et al.*, "Enzyme-mononucleotide interactions: Three different folds share common structural elements for ATP recognition," *Protein Sci.* 7:1766-1771, Cambridge University Press (August 1998).

EXAMINER

DATE CONSIDERED 2/26/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.031000	APPLICATION NO. 10/057,940
APPLICANT Pantoliano et al.	
FILING DATE January 29, 2002	GROUP 1637 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	5	Dennis, S. *et al.*, "Use of fragments of hirudin to investigate thrombin-hirudin interaction," *Eur. J. Biochem. 188*:61-66, Springer International and the Federation of European Biochemical Societies (1990).
	AS	5	Diwu, Z. *et al.*, "Fluorescent Molecular Probes. II. The Synthesis, Spectral Properties and Use of Fluorescent Solvatochromic Dapoxyl Dyes," *Photochem. & Photobiol.* 66:424-431, American Society for Photobiology (October 1997).
	AT	5	Eftink, M.R. *et al.*, "The Use of Fluorescence Methods to Monitor Unfolding Transitions in Proteins," *Biophys. J.* 66:482-501, The Biophysical Society (1994).

EXAMINER

DATE CONSIDERED 2/28/06

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,949
	APPLICANT Pastoliano et al.	
	FILING DATE January 29, 2002	GROUP 1637 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	6	Fraser, C.M. *et al.*, "Complete Genome Sequence of *Treponema pallidum*, the Syphilis Spirochete," *Science 281*:375-388, American Association for the Advancement of Science (July 1998).
	AS	6	Hieter, P. and Boguski, M., "Functional Genomics: It's All How You Read It," *Science 278*:601-602, American Association for the Advancement of Science (October 1997).
	AT	6	Hogg, P.J. and Jackson, C.M., "Fibrin monomer protects thrombin from inactivation by heparin-antithrombin III: Implications for heparin efficacy," *Proc. Natl. Acad. Sci. USA 86*:3619-3623, National Academy of Sciences (1989).

EXAMINER: DATE CONSIDERED: 2/27/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.031C2X	10/057,940
APPLICANT: Pantoliano et al.	
FILING DATE: January 29, 2002	GROUP: 1637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	7	Hogg, P.J. and Jackson, C.M., "Formation of a Ternary Complex between Thrombin, Fibrin Monomer, and Heparin Influences the Action of Thrombin on Its Substrates," *J. Biol. Chem.* 265:248-255, American Society for Biochemistry and Molecular Biology, Inc. (1990).
	AS	7	Hotchkiss, K.A., *et al.*, "Inhibition of Heparin Activity in Plasma by Soluble Fibrin: Evidence for Ternary Thrombin-Fibrin-Heparin Complex Formation," *Blood* 84:498-503, W.B. Saunders Company (1994).
	AT	7	Janknecht, R., *et al.*, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus," *Proc. Natl. Acad. Sci. USA* 88:8972-8976, National Academy of Sciences (1991).

EXAMINER	DATE CONSIDERED
	2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.031C2D2	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP 1637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	8	Kan, M. *et al.*, "An Essential Heparin-Binding Domain in the Fibroblast Growth Factor Receptor Kinase," *Science* 259:1918-1921, American Association for the Advancement of Science (1993).
	AS	8	Lewis, M. *et al.*, "Crystal Structure of the Lactose Operon Repressor and Its Complexes with DNA and Inducer," *Science* 271:1247-1254, American Association for the Advancement of Science (1996).
	AT	5	Morton, A. *et al.*, "Energetic Origins of Specificity of Ligand Binding in an Interior Nonpolar Cavity of T4 Lysozyme," *Biochemistry* 34:8564-8575, American Chemical Society (1995).

EXAMINER	DATE CONSIDERED 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1509.0310052	APPLICATION NO. 10/057,940
APPLICANT Pantoliano et al.	
FILING DATE January 29, 2002	GROUP 1627 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	9	Nakatani, H., *et al.*, "Temperature-jump Studies on Benzeneboronic Acid-Serine Protease Interactions," *J. Biochem.* 77:905-908, The Japanese Biochemical Society (1975).
	AS	9	Pantoliano, M.W., *et al.*, "Multivalent Ligand-Receptor Binding Interactions in the Fibroblast Growth Factor System Produce a Cooperative Growth Factor and Heparin Mechanism for Receptor Dimerization," *Biochemistry* 33:10229-10248, American Chemical Society (1994).
	AT	9	Pennisi, E., "Laboratory Workhorse Decoded," *Science* 277:1432-1434, American Association for the Advancement of Science (September 1997).

EXAMINER [signature] DATE CONSIDERED 2/25/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano et al.	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	10	Qasba, P.K. and Kumar, S., "Molecular Divergence of Lysozymes and α-Lactalbumin," *Crit. Rev. Biochem. Mol. Bicl.* 32:255-306, CRC Press LLC (December 1997).
	AS	10	Rowen, L. *et al.*, "Sequencing the Human Genome," *Science* 278:605-607, American Association for the Advancement of Science (October 1997).
	AT	10	Schellman, J.A., "Macromolecular Binding," *Biopolymers* 14:999-1018, John Wiley & Sons, Inc. (1975).

EXAMINER	DATE CONSIDERED 3/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.031006C	APPLICATION NO. 10/057,940
	APPLICANT Bartoliano et al.	
	FILING DATE January 29, 2002	GROUP 1627

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	11	Schellman, J.A., "Communications to the Editor. The Effect of Binding on the Melting Temperature of Biopolymers," *Biopolymers* 15:999-1000, John Wiley & Sons, Inc. (1976).
	AS	11	Schellman, J.A., "The relation between the free energy of interaction and binding," *Biophys. Chem.* 45:273-279, Elsevier Science Publishers B.V. (1993).
	AT	11	Tapparelli, C. et al., "In Vitro and In Vivo Characterization of a Neutral Boron-containing Thrombin Inhibitor," J. Biol. Chem. 268:4734-4741, American Society for Biochemistry and Molecular Biology, Inc. (1993).

EXAMINER	DATE CONSIDERED 2/5/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano et al.	
	FILING DATE January 29, 2002	GROUP 1637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	12	Tatusov, R.L. *et al.*, "A Genomic Perspective on Protein Families," *Science* 278:631-637, American Association for the Advancement of Science (October 1997).
AS	13	Tong, L. *et al.*, "Conserved mode of peptidomimetic inhibition and substrate recognition of human cytomegalovirus protease," *Nature Structural Biol.* 5:819-826, Nature Publishing Co. (September 1998).
AT	14	Vijayalakshmi, J. *et al.*, "The isomorphous structures of prethrombin2, hirugen-, and PPACK-thrombin: Changes accompanying activation and exosite binding to thrombin," *Protein Sci.* 3:2254-2271, Cambridge University Press and The Protein Society (1994).

EXAMINER	DATE CONSIDERED 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.9310001	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano et al.	
	FILING DATE January 29, 2002	GROUP 1637 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	13	Weber, P.C. *et al.*, "Structure-Based Design of Synthetic Azobenzene Ligands for Streptavidin," *J. Am. Chem. Soc.* *116*:2717-2724, American Chemical Society (1994).
	AS	13	Wiseman, T. *et al.*, "Rapid Measurement of Binding Constants and Heats of Binding Using a New Titration Calorimeter," *Anal. Biochem.* *179*:131-137, Academic Press Inc. (1989).
	AT	13	Pricelist of Products from BioProbes 25, New Products and Applications Catalog, Molecular Probes, Inc., Eugene, Oregon, pp. 8-9 (May 1997).

EXAMINER	DATE CONSIDERED 2/27/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1509.0310003	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP 1627 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	14	United States Patent Application Publication No. US 2001/0003648 A1, Pantoliano *et al.*, published June 14, 2001.
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	AT		

EXAMINER: _____ DATE CONSIDERED: 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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	AG2	4,580,895	04/08/1986	Patel, S.S.	356	39	10/28/1983
	AH2	4,626,684	12/02/1986	Landa, I.J.	250	328	07/13/1983
	AI2	4,628,026	12/09/1986	Gardell *et al.*	435	7	11/15/1983
	AJ2	4,774,055	09/27/1988	Wakatake *et al.*	422	64	06/23/1986
	AK2	4,778,763	10/18/1988	Makiguchi *et al.*	436	47	04/21/1986

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN2	WO 93/14781	08/05/1993	WIPO			Yes No
	AO2	WO 94/05394	03/17/1994	WIPO			Yes No
	AP2	EP 0 640 828 A1	03/01/1995	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	14	
	AS	14	Becktel, W.J. and Schellman, J.A., "Protein Stability Curves," *Biopolymers* 26:1859-1877, John Wiley & Sons, Inc. (1987).
	AT	14	Belevitch, G.V. *et al.*, "Calcium antagonists, Riodipine, Niphedipine and Verapamil, Binding to Model and Biological Membranes: Flucrescence Analysis," *Biologicheskie Membrany* 5:768-776, Rossiiskaya Akademiya Nauk (1988).

EXAMINER: _____ DATE CONSIDERED: 2/25/05

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1635

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	5,290,513	03/01/1994	Berthold *et al.*	422	52	07/20/1992
	AB3	5,314,825	05/24/1994	Weyrauch *et al.*	436	43	07/16/1992
	AC3	5,324,635	06/28/1994	Kawase *et al.*	435	7.94	08/24/1989
	AD3	5,325,295	06/28/1994	Fratantoni *et al.*	364	413.08	04/22/1991
	AE3	5,340,747	08/23/1994	Eden, G.	436	172	06/04/1993
	AF3	5,355,215	10/11/1994	Schroeder *et al.*	356	317	09/30/1992
	AG3	5,383,023	01/17/1995	Walleczek, J.	356	417	03/01/1993
	AH3	5,436,718	07/25/1995	Fernandes *et al.*	356	73	07/30/1993
	AI3	5,496,519	03/05/1996	Schacher, G.	422	64	07/21/1994
	AJ3	5,557,398	09/17/1996	Wechsler *et al.*	356	318	04/15/1994
	AK3	5,589,351	12/31/1996	Harootunian, A.T.	435	29	12/06/1994

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3	WO 98/15969 A2	04/16/1998	WIPO			Yes No
	AM3	WO 98/39484	09/11/1998	WIPO			Yes No
	AN3	WO 98/15969 A3	07/27/2000	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	15	Bone, R. *et al.*, "Inhibition of Thymidine Kinase by P^1-(Adenosine-5')-P^2-(thymidine-5')-pentaphosphate," *J. Biol. Chem. 261*:5731-5735, The American Society of Biological Chemists, Inc. (1986).
	AS	15	Bowie, J.U. and Sauer, R.T., "Equilibrium Dissociation and Unfolding of the Arc Repressor Dimer," *Biochemistry 28*:7139-7143, American Chemical Society (1989).
	AT	15	Brandts, J.F. *et al.*, "An instrument for rapid determination of binding constants for biomolecules," *Amer. Lab. 22*:30-41, International Scientific Communications, Inc. (1990).

EXAMINER [signature] DATE CONSIDERED 2/25/05

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA4	5,599,504	02/04/1997	Hosoi *et al.*	422	82.08	07/15/1994
	AB4	5,631,734	05/20/1997	Stern *et al.*	356	317	02/10/1994
	AC4	6,036,920	03/14/2000	Pantoliano *et al.*	422	67	05/09/1997
	AD4	6,214,293 B1	04/10/2001	Pantoliano *et al.*	422	67	12/14/1999
	AE4	6,232,085 B1	05/15/2001	Pantoliano *et al.*	435	7.1	12/10/1999
	AF4	6,268,158 B1	07/31/2001	Pantoliano *et al.*	435	7.1	12/10/1999
	AG4	6,268,218 B1	07/31/2001	Pantoliano *et al.*	436	86	12/14/1999
	AH4	6,291,192 B1	09/18/2001	Pantoliano *et al.*	435	7.1	01/05/2000
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	16	Buchner, J. *et al.*, "Alternatively Folded States of an Immunoglobulin," *Biochemistry 30*:6922-6929, American Chemical Society (1991).
	AS	16	Burke, C.J. *et al.*, "Effect of Polyanions on the Unfolding of Acidic Fibroblast Growth Factor," *Biochemistry 32*:6419-6426, American Chemical Society (1993).
	AT	16	Butour, J.-L. *et al.*, "Effect of the amine non-leaving group on the structure and stability of DNA complexes with *cis*-[Pt(R-NH_2)$_2$(NO_3)$_2$]," *Eur. J. Biochem. 202*:975-980, Springer International and the Federation of European Biochemical Societies (1991).

EXAMINER	DATE CONSIDERED 2/26/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	17	Chen, L. *et al.*, "Microtiter Plate Binding Assay for Cholinergic Compounds Utilizing the Nicotinic Acetylcholine Receptor," *Anal. Chem.* *64*:3018-3023, American Chemical Society (1992).
	AS	17	Copeland, R.A. *et al.*, "The Structure of Human Acidic Fibroblast Growth Factor and Its Interaction with Heparin," *Arch. Biochem. Biophys.* *289*:53-61, Academic Press, Inc. (1991).
	AT	17	Cox, M.J. and Weber, P.C., "An Investigation of Protein Crystallization Parameters Using Successive Automated Grid Searches (SAGS)," *J. Crystal Growth* *90*:318-324, Elsevier Science Publishers B.V. (1988).

EXAMINER	DATE CONSIDERED
	2/25/03

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	18	Darzynkiewicz, Z. *et al.*, "DNA Denaturation *In Situ*: Effect of Divalent Cations and Alcohols," *J. Cell Biol. 68*:1-10, Rockefeller University Press (1976).
	AS	18	Draper, D.E. and Gluick, T.C., "Melting Studies of RNA Unfolding and RNA-Ligand Interactions," *Meth. Enzymol. 259*:281-305, Academic Press, Inc. (1995).
	AT	18	Elwell, M. and Schellman, J., "Phage T4 Lysozyme Physical Properties and Reversible Unfolding," *Biochim. Biophys. Acta 386*:309-323, Elsevier Scientific Publishing Company (1975).

EXAMINER	DATE CONSIDERED
	2/28/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	19	Elwell, M.L. and Schellman, J.A., "Stability of Phage T4 Lysozymes. I. Native Properties and Thermal Stability of Wild Type and Two Mutant Lysozymes," *Biochim. Biophys. Acta* 494:367-383, Elsevier/North-Holland Biomedical Press (1977).
	AS	19	Eriksson, A.E. *et al.*, "Similar Hydrophobic Replacements of Leu99 and Phe153 within the Core of T4 Lysozyme Have Different Structural and Thermodynamic Consequences," *J. Mol. Biol.* 229:747-769, Academic Press, Inc. (1993).
	AT	19	Freire, E., "Thermal Denaturation Methods in the Study of Protein Folding," *Meth. Enzymol.* 259:144-168, Academic Press, Inc. (1995).

EXAMINER	DATE CONSIDERED
	2/25/05

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1635

U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	20	Fukada, H., "Calorimetry of the Ligand Binding to Proteins," *Tanpakushitsu Kakusan Koso 33*:328-336, Kyoritsu Shuppan Co. Ltd. (1988).
	AS	20	Gordon, E.M. *et al.*, "Applications of Combinatorial Technologies to Drug Discovery. 2. Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions," *J. Med. Chem. 37*:1385-1401, American Chemical Society (1994).
	AT	20	Green, S.M. *et al.*, "Roles of Metal Ions in the Maintenance of the Tertiary and Quaternary Structure of Arginase from *Saccharomyces cerevisiae*," *J. Biol. Chem. 266*:21474-21481, American Society for Biochemistry and Molecular Biology (1991).

EXAMINER	DATE CONSIDERED 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP<br~~1627~~ 1639

U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	21	Hanna, M. and Szostak, J.W., "Suppression of mutations in the core of the *Tetrahymena* ribozyme by spermidine, ethanol and by substrate stabilization," *Nucl. Acids Res.* 22:5326-5331, Oxford University Press (1994).
	AS	21	Hei, D.J. and Clark, D.S., "Estimation of Melting Curves From Enzymatic Activity-Temperature Profiles," *Biotechnol. Bioeng.* 42:1245-1251, John Wiley & Sons, Inc. (1993).
	AT	21	Higuchi, R. *et al.*, "Kinetic PCR Analysis: Real-time Monitoring of DNA Amplification Reactions," *Bio/Technology* 11:1026-1030, Nature Publishing Company (1993).

EXAMINER	DATE CONSIDERED
	3/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO.	APPLICATION NO.
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APPLICANT: Pantoliano *et al.*	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	22	Hofmann, A. *et al.*, "A Sparse Matrix Screen to Establish Initial Conditions for Protein Renaturation," *Anal. Biochem. 230*:8-15, Academic Press, Inc. (1995).
	AS	22	Hutton, J.R., "Renaturation kinetics and thermal stability of DNA in aqueous solutions of formamide and urea," *Nucl. Acids Res.* 4:3537-3555, Information Retrieval Limited (1977).
	AT	22	Iida, K., "Structure and biological activity of complement receptors CR1, CR2 and CR3," *Seikagaku 58*: 1471-1474, Nihon Seikagakkai (1986).

EXAMINER	DATE CONSIDERED
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	23	Jensen, D.E. and von Hippel, P.H., "DNA 'Melting' Proteins: I. Effects of Bovine Pancreatic Ribonuclease Binding on the Conformation and Stability of DNA," *J. Biol. Chem.* 251:7198-7214, American Society of Biological Chemists, Inc. (1976).
	AS	23	Johnson, C.M. *et al.*, "Differential Scanning Calorimetry of Thermal Unfolding of the Methionine Repressor Protein (MetJ) from *Escherichia coli*," *Biochemistry* 31:9717-9724, American Chemical Society (1992).
	AT	23	Kogtev, L.S. *et al.*, "Use of Fluorescence-Labeled Lipid Probes for Analyzing Substance P and its Derivatives Binding to the Rat Brain Tachykinin Receptors," *Biologicheskie Membrany* 6:34-41, Rossiiskaya Akademiya Nauk (1989).

EXAMINER	DATE CONSIDERED
	2/25/05

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	24	Kuroki, R. and Inaka, K., "Stabilization of a Protein by Constructing a Ligand Binding Site," *Tanpakushitsu Kakusan Koso* 37: 314-321, Kyoritsu Shuppan Co. Ltd (1992).
	AS	24	Kuwajima, K., "Kinetic pathway of globular-protein folding," *Seikagaku 62*:117-121, Nihon Seikagakkai (1990).
	AT	24	Lapadat, M.A. and Spremulli, L.L., "Effect of Guanine Nucleotides on the Conformation and Stability of Chloroplast Elongation Factor Tu," *J. Biol. Chem. 264*:5510-5514, The American Society for Biochemistry and Molecular Biology, Inc. (1989).

EXAMINER	DATE CONSIDERED
	2/28/05

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	25	Lee, M. *et al.*, "In Vitro Cytotoxicity of GC Sequence Directed Alkylating Agents Related to Distamycin," *J. Med. Chem.* *36*:863-870, American Chemical Society (1993).
	AS	25	Lennick, M. *et al.*, "Changes in Protein Conformation and Stability Accompany Complex Formation between Human C1 Inhibitor and C1s," *Biochemistry* *24*:2561-2568, American Chemical Society (1985).
	AT	25	Lin, L.-N. *et al.*, "Calorimetric Studies of Serum Transferrin and Ovotransferrin. Estimates of Domain Interactions, and Study of the Kinetic Complexities of Ferric Ion Binding," *Biochemistry* *33*:1881-1888, American Chemical Society (1994).

EXAMINER	DATE CONSIDERED
	2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/058,926
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP 1627

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	26	Ma, C.-Y. and Harwalkar, V.R., "Effects of Medium and Chemical Modification on Thermal Characteristics of β-Lactoglobulin," *J. Thermal Analysis* 47:1513-1525, John Wiley & Sons, Ltd (November 1996).
	AS	26	Mach, H. *et al.*, "Effect of Polyanions on the Folding and Unfolding of Acidic Fibroblast Growth Factor," in *Harnessing Biotechnology for the 21st Century. Proceedings of the Ninth International Biotechnology Symposium and Exposition* , Ladisch, M.R. and Bose, A., Eds., American Chemical Society, Washington, DC, pp. 290-293 (1992).
	AT	26	Mach, H. *et al.*, "Nature of the Interaction of Heparin with Acidic Fibroblast Growth Factor," *Biochem. 32*:5480-5489, American Chemical Society (1993).

EXAMINER _____ DATE CONSIDERED 4/1/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1635

U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	27	Mach, H. *et al.*, "Partially Structured Self-Associating States of Acidic Fibroblast Growth Factor," *Biochem. 32*:7703-7711, American Chemical Society (1993).
	AS	27	Manevich, E.M. *et al.*, "The binding of the B-chain of ricin to Burkitt lymphoma cells," *FEBS Lett. 194*:313-316, Elsevier Science Publishers B.V. (1986).
	AT	27	Markovic-Housley, Z. and Garavito, R.M., "Effect of temperature and low pH on structure and stability of matrix porin and micellar detergent solutions," *Biochim. Biophys. Acta 869*:158-170, Elsevier Science Publishers B.V. (1986).

EXAMINER	DATE CONSIDERED
	2/25/05

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP<br~~1627~~ 1639

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	28	Marquis-Omer, D. *et al.*, "Stabilization of the FK506 Binding Protein by Ligand Binding," *Biochem. Biophys. Res. Commun. 179*:741-748, Academic Press, Inc. (1991).
	AS	28	Merabet, E.K. *et al.*, "Differential scanning calorimetric study of 5-enolpyruvoyl shikimate-3-phosphate synthase and its complexes with shikimate-3-phosphate and glyphosate: irreversible thermal transitions," *Biochim. Biophys. Acta 1161*:272-278, Elsevier Science Publishers B.V. (1993).
	AT	28	Middaugh, C.R. *et al.*, "Nature of the Interaction of Growth Factors with Suramin," *Biochemistry 31*:9016-9024, American Chemical Society (1992).

EXAMINER	DATE CONSIDERED 7/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

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APPLICANT Pantoliano *et al.*	
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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	29	Middaugh, C.R. *et al.*, "Selected Problems in the Formulation of Protein Pharmaceuticals," *Book of Abstracts of the 205th ACS National Meeting*, Abstract No. 126, American Chemical Society (1993).
	AS	29	Molotkovskaya, I.M. *et al.*, "Immunosuppressive Activity of Glycosphingolipids: A Study of the Interaction of Interleukin-2 with Gangliosides Using Cells and Model Systems," *Biologicheskie Membrany* 9:143-151, Rossiiskaya Akademiya Nauk (1992).
	AT	29	Molotkovskaya, I.M. *et al.*, "The Concanavalin A Binding By Plasma Membranes of Young and Old Mouse Lymphocytes: A Fluorescent Probe Study," *Biologicheskie Membrany* 9:32-39, Rossiiskaya Akademiya Nauk (1992).

EXAMINER	DATE CONSIDERED 2/27/05

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APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: 1622 ~~1639~~

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	30	Muriana, F.J.G. *et al.*, "Further thermal characterization of an aspartate aminotransferase from a halophilic organism," *Biochem. J. 298*:465-470, The Biochemical Society (1994).
AS	30	Murry-Brelier, A. and Goldberg, M.E., "A physical-chemical and immunological comparison shows that native and renatured *Escherichia coli* tryptophan synthase β_2 subunits are identical," *Biochimie 71*:533-543, Société de Chimie biologique and Elsevier Science Publishers (1989).
AT	30	Otto, A. and Seckler, R., "Characterization, stability and refolding of recombinant hirudin," *Eur. J. Biochem. 202*:67-73, Springer International and the Federation of European Biochemical Societies (1991).

EXAMINER: _____ DATE CONSIDERED: 2/25/05

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP 1627

U.S. PATENT DOCUMENTS

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	31	Pace, C.N. and Grimsley, G.R., "Ribonuclease T$_1$ Is Stabilized by Cation and Anion Binding," *Biochemistry* 27:3242-3246, American Chemical Society (1988).
	AS	31	Pace, C.N. and Marshall, H.F., Jr., "A Comparison of the Effectiveness of Protein Denaturants for β-Lactoglobulin and Ribonuclease," *Arch. Biochem. Biophys.* 199:270-276, Academic Press, Inc. (1980).
	AT	31	Pakula, A.A. and Sauer, R.T., "Amino Acid Substitutions That Increase the Thermal Stability of the λ Cro Protein," *Proteins* 5:202-210, Alan R. Liss, Inc. (1989).

EXAMINER	DATE CONSIDERED
	2/25/03

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ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~2627~~ 1635

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	32	Pakula, A.A. and Sauer, R.T., "Genetic Analysis of Protein Stability and Function," *Annu. Rev. Genet. 23*:289-310, Annual Reviews Inc. (1989).
	AS	32	Pakula, A.A., "A Genetic and Biochemical Analysis of the Bacteriophage λ Cro Protein," Doctoral Thesis, Department of Biology, Massachusetts Institute of Technology (1988).
	AT	32	Pantoliano, M.W., "Automated Receptor Screening By Thermal Physical Assays," Department of Health and Human Services Small Business Research Program Phase I Grant Application (May 1995).

EXAMINER _____ DATE CONSIDERED 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,946
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	33	Pantoliano, M.W., "Automated Receptor Screening By Thermal Physical Assays," Department of Health and Human Services Small Business Research Program Phase II Grant Application (September 1996).
	AS	33	Pilch, D.S. *et al.*, "Characterization of a Triple Helix-specific Ligand: BePI {3-methoxy-7H-8-methyl-11-[(3'-amino)propylamino]benzo[e]pyrido[4,3-b]indole) Intercalates into Both Double-helical and Triple-helical DNA," *J. Mol. Biol.* *232*:926-946, Academic Press, Inc. (1993).
	AT	33	Pilch, D.S. and Breslauer, K.J., "Ligand-induced formation of nucleic acid triple helices," *Proc. Natl. Acad. Sci. USA 91*:9332-9336, The National Academy of Sciences of the USA (1994).

EXAMINER _____ DATE CONSIDERED 2/26/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	34	Pörschke, D. and Jung, M., "Stability decrease of RNA double helices by phenylalanine-, tyrosine- and tryptophane-amides. Analysis in terms of site binding and relation to melting proteins," *Nucl. Acids Res. 10*:6163-6176, IRL Press Ltd (1982).
AS	34	Porter, P.N. *et al.*, "Stabilization of SV_{40} transformed human fibroblast cytoplasmic thymidine kinase by ATP," *Mol. Cell. Biochem. 35*:59-64, Martinus Nijhoff/Dr. W. Junk Publishers b.v. (1980).
AT	34	Privalov, P.L., "Thermal Investigations of Biopolymer Solutions and Scanning Microcalorimetry," *FEBS Lett. 40(Suppl.)*:S140-S153, North-Holland Publishing Company (1974).

EXAMINER	DATE CONSIDERED 2/25/07

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO. 1503.0310002	APPLICATION 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	35	Rakhmaninova, A.B. *et al.*, "Model for Auxin Receptor," *Biokhimiya 43*:806-823, Rossiiskaya Akademiya Nauk (1978).
	AS	35	Rakhaminova, A.B. *et al.*, "Construction of a Model of the Auxin Receptor," *Biorak 43*:639-653, Plenum Publishing (1978).
	AT	35	Ramalingam, K. *et al.*, "Conformational Studies of Anionic Melittin Analogues: Effect of Peptide Concentration, pH, Ionic Strength, and Temperature--Models for Protein Folding and Halophilic Proteins," *Biopolymers 32*:981-992, John Wiley & Sons, Inc. (1992).

EXAMINER _____ DATE CONSIDERED 2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	36	Ramsay, G. and Eftink, M.R., "A Multidimensional Spectrophotometer for Monitoring Thermal Unfolding Transitions of Macromolecules," *Biophysical J.* 31:516-523, The Biophysical Society (1994).
	AS	36	Roy, K.B. *et al.*, "Hairpin and Duplex Forms of a Self-Complementary Dodecamer, d-AGATCTAGATCT, and Interaction of the Duplex Form with the Peptide KGWGK: Can a Pentapeptide Destabilize DNA?," *Biochemistry* 31:6241-6245, American Chemical Society (1992).
	AT	36	Sagar, S.L. and Domach, M.M., "Thermostability of Drifted Oligomeric, Reduced, and Refolded Proteins," Chapter 5 in *ACS Symposium Series: Protein Refolding*, Georgiou, G. and De Bernardez-Clark, E., Eds., American Chemical Society, Washington, DC, pp. 64-78 (1991).

EXAMINER _____ DATE CONSIDERED 2/26/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/055,949
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	37	Schellman, J.A., "The Thermodynamics of Solvent Exchange," *Biopolymers* 34:1015-1026, John Wiley & Sons, Inc. (1994).
	AS	37	Schellman, J.A., "The Thermodynamic Stability of Proteins," *Ann. Rev. Biophys. Biophys. Chem.* 16:115-137, Annual Reviews, Inc. (1987).
	AT	37	Schellman, J.A., "A simple model for solvation in mixed solvents. Applications to the stabilization and destabilization of macromolecular structures," *Biophys. Chem.* 37:121-140, Elsevier Science Publishers B.V. (1990).

EXAMINER: _____ DATE CONSIDERED 2/25/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1635

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	38	Schellman, J.A., "Fluctuation and Linkage Relations in Macromolecular Solution," *Biopolymers 29*:215-224, John Wiley & Sons, Inc. (1990).
	AS	38	Schwarz, F.P. *et al.*, "Thermodynamics of the Binding of Galactopyranoside Derivatives to the Basic Lectin from Winged Bean (*Psophocarpus tetrogonolobus*)," *J. Biol. Chem. 266*:24344-24350, American Society for Biochemistry and Molecular Biology, Inc. (1991).
	AT	38	Shchyolkina, A.K. *et al.*, "The R-Form of DNA does exist," *FEBS Lett. 339*:113-118, Elsevier Science Publishers B.V. (1994).

EXAMINER _____ DATE CONSIDERED 7/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/060,457
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP 1627

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	39	Shrake, A. *et al.*, "Partial Unfolding of Dodecameric Glutamine Synthetase from *Escherichia coli*: Temperature-Induced, Reversible Transitions of Two Domains," *Biochemistry 28*:6281-6294, American Chemical Society (1989).
	AS	39	Smirnov, O.N. *et al.*, "Study on the Interaction of the Cholera Toxin and Its B-Subunit with Liposomes Containing Ganglioside GM1 and Fluorescent-Labeled Gangliosides," *Biologicheskie Membrany 12*:174-184, Rossiiskaya Akademiya Nauk (1995).
	AT	39	Sominsky, V.N. *et al.*, "Using a Fluorescent Probe for Investigating β-Adrenoreceptive Function of Human Blood Erythrocytes," *Biofizika 30*:642-645, Rossiiskaya Akademiya Nauk (1985).

EXAMINER	DATE CONSIDERED 5/22/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	40	Surin, A.M., *et al.*, "A Study of the Interaction of Cholera Toxin B-Subunit with Liposomes Containing Ganglioside GM1 and Fluorescence-Labeled Lipids," *Biologicheskie Membrany* 9:495-508, Rossiiskaya Akademiya Nauk (1992).
	AS	40	Tachibana, H. *et al.*, "Relationship between the Optimal Temperature for Oxidative Refolding and the Thermal Stability of Refolded State of Hen Lysozyme Three-Disulfide Derivatives," *Biochemistry* 33:15008-15016, American Chemical Society (1994).
	AT	40	Takahashi, N., "Cyclophilin and FK506-binding protein," *Seikagaku* 64: 325-331, Nihon Seikagakkai (1992).

EXAMINER	DATE CONSIDERED
	2/27/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	41	Timasheff, S.N. and Arakawa, T., "Stabilization of protein structure by solvents," Chapter 14 in *Protein Structure, a practical approach*, Creighton, T.E., Ed., IRL Press, Oxford, England, pp. 331-345 (1994).
	AS	41	Timofeev, A.A. *et al.*, "The Use of Spectral Characteristics of Ryodipine for the Study of Dihydropyridine Receptor Complex in Neuronal Membranes," *Byull. Eksp. Biol. Med. 114*: 29-32, Rossiiskaya Akademiya Meditsinskikh Nauk (1992).
	AT	41	Tsai, P.K. *et al.*, "Formulation Design of Acidic Fibroblast Growth Factor," *Pharm. Res. 10*:649-659, Plenum Press (1993).

EXAMINER	DATE CONSIDERED
	2/25/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP 1627 1639

U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	42	Viguera, A.R. *et al.*, "Thermodynamic and Kinetic Analysis of the SH3 Domain of Spectrin Shows a Two-State Folding Transition," *Biochemistry* 33:2142-2150, American Chemical Society (1994).
	AS	42	Volkin, D.B. and Klibanov, A.M., "Mechanism of Thermoinactivation of Immobilized Glucose Isomerase," *Biotech. Bioengin.* 33:1104-1111, John Wiley & Sons, Inc. (1989).
	AT	42	Volkin, D.B. *et al.*, "The Effect of Polyanions on the Stabilization of Acidic Fibroblast Growth Factor," in *Harnessing Biotechnology for the 21st Century. Proceedings of the Ninth International Biotechnology Symposium and Exposition*, Ladisch, M.R. and Bose, A., Eds., American Chemical Society, Washington, DC, pp. 298-302 (1992).

EXAMINER	DATE CONSIDERED
	2/25/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	43	Volkin, D.B. *et al.*, "Physical Stabilization of Acidic Fibroblast Growth Factor by Polyanions," *Arch. Biochem. Biophys. 300*:30-41, Academic Press, Inc. (1993).
	AS	43	Volkin, D.B. *et al.*, "Sucralfate and soluble sucrose octasulfate bind and stabilize acidic fibroblast growth factor," *Biochim. Biophys. Acta. 1203*:18-26, Elsevier Science Publishers B.V. (1993).
	AT	43	Wagenhöfer, M. *et al.*, "Thermal Denaturation of Engineered Tet Repressor Proteins and Their Complexes with *tet* Operator and Tetracycline Studied by Temperature Gradient Gel Electrophoresis," *Anal. Biochem. 175*:422-432, Academic Press, Inc. (1988).

EXAMINER	DATE CONSIDERED 2/25/05

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ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	44	Walz, F.G. and Kitareewan, S., "Spermine Stabilization of a Folded Ribonuclease T_1," *J. Biol. Chem.* *265*:7127-7137, The American Society for Biochemistry and Molecular Biology, Inc. (1990).
	AS	44	Waring, M.J. and Henley, S.M., "Stereochemical aspects of the interaction between steroidal diamines and DNA," *Nucl. Acids Res.* *2*:567-586, IRL Press (1975).
	AT	44	Waring, M.J., "Stabilization of Two-Stranded Ribohomopolymer Helices and Destabilization of a Three-Stranded Helix by Ethidium Bromide," *Biochem. J.* *143*:483-486, The Biochemical Society (1974).

EXAMINER	DATE CONSIDERED
	2/25/05

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	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	45	Zahnley, J.C., "Effects of Manganese and Calcium on Conformational Stability of Concanavalin A: A Differential Scanning Calorimetric Study," *J. Inorg. Biochem.* 15:67-78, Elsevier North Holland (1981).
	AS	45	Zolkiewski, M. and Ginsburg, A., "Thermodynamic Effects of Active-Site Ligands on the Reversible, Partial Unfolding of Dodecameric Glutamine Synthetase from *Escherichia coli*: Calorimetric Studies," *Biochemistry 31*:11991-12000, American Chemical Society (1992).
	AT	45	Partial English translation of Fukada, H., "Calorimetry of the Ligand Binding to Proteins," *Tanpakushitsu Kakusan Koso 33*:328-336, Kyoritsu Shuppan Co. Ltd. (1988).

EXAMINER	DATE CONSIDERED 2/25/04

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FORM PTO-1449

FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.	APPLICATION NO.
1503.0310002	10/057,940
APPLICANT: Pantoliano *et al.*	
FILING DATE: January 29, 2002	GROUP: ~~1627~~ 1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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	AI						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	46	English translation of Kogtev, L.S. *et al.*, "Use of Fluorescein-Labeled Lipid Probes for Analyzing Substance P and its Derivatives Binding to the Rat Brain Tachykinin Receptors," *Biologicheskie Membrany 6*:34-41, Rossiiskaya Akademiya Nauk (1989).
	AS	46	Partial English translation of Kuroki, R. and Inaka, K., "Stabilization of a Protein by Constructing a Ligand Binding Site," *Tanpakushitsu Kakusan Koso* 37:314-321, Kyoritsu Shuppan Co. Ltd. (1992).
	AT	46	Partial English translation of Kuwajima, K., "Kinetic pathway of globular-protein folding," *Seikagaku 62*:117-121, Nihon Seikagakkai (1990).

EXAMINER	DATE CONSIDERED
	2/25/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

FIRST SUPPLEMENTAL
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ATTY. DOCKET NO. 1503.0310002	APPLICATION NO. 10/057,940
APPLICANT Pantoliano *et al.*	
FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	47	Pantoliano, M.W., "A Miniaturized Thermal Shift Assay Technology for Directly Evaluating Targets Derived from Genomics," poster presented at the Society For Biomolecular Screening Annual Meeting, Baltimore, MD (September 1998).
	AS	47	Herrero, M.E. and Castell, J.V., "Fluorometric Microassay to Quantify Microsomal Epoxide Hydrolase in 96-Well Plates," *Anal. Biochem. 230*:154-158, Academic Press, Inc. (1995).
	AT	47	Mansfield, E.S. *et al.*, "Nucleic acid detection suing non-radioactive labeling methods," *Mol. Cell. Probes 9*:145-156, Academic Press Limited (1995).

EXAMINER	DATE CONSIDERED 4-25-05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310002	SERIAL NO. 10/057,940
	APPLICANT Pantoliano *et al.*	
	FILING DATE January 29, 2002	GROUP ~~1627~~ 1639

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	48	Martin, C.S. and Bronstein. I., "Imaging of Chemiluminescent Signals with Cooled CCD Camera Systems," *J. Biolum. Chemilum.* 9:148-183, John Wiley & Sons, Ltd. (1994).
	AS	48	Milligan, G. *et al.*, "G_{i6} as a universal G protein adapter: implications for agonist screening strategies," *Trends Pharm. Sci.* 17:235-237, Elsevier Science Ltd. (July 1996).
	AT	48	Ramm, P., "Imaging systems in assay screening," *Drug Discovery Today* 4:401-410, Elsevier Science Ltd. (September 1999).

EXAMINER	DATE CONSIDERED 2/5/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.